

# Notice of Allowability

Application No.

10/661,653

Examiner

AJIT G. PATEL

Applicant(s)

SANDY ET AL.

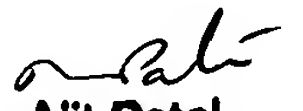
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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/18/2005.
2. ☒ The allowed claim(s) is/are 1-36.
3. ☒ The drawings filed on 12 September 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

  
**Ajit Patel**  
**Primary Examiner**

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

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1. The following is an examiner's statement of reasons for allowance: The prior art of the record fails to disclose the step of providing a set of N payload module configurations, wherein the set of N payload module configurations is characterized by sequential addition of a payload module into each of the plurality of payload slots, wherein the sequential addition of the payload module couples the payload module to the network; and coupling (remapping) the N number of payload interface to the switch configuration such that a latency function is minimized for the switch configuration and the set of N payload module configurations in combination of other limitation recited in claims 1,9,28; the step of providing a set of N payload module configurations, wherein the set of N payload module configurations is characterized by sequential addition of a payload module into each of the plurality of payload slots, wherein the sequential addition of the payload module couples the payload module to the network; calculating a plurality of remapping functions for the set of N payload module configurations; and selecting one of the plurality of remapping functions to minimize a latency function, wherein the latency function is a function of the switch configuration and the set of N payload module configurations in combination of other limitation recited in claim 17; the step of providing a set of N payload module configurations, wherein the set of N payload module configurations is characterized by sequential addition of a payload module into each of the plurality of payload slots, wherein the sequential addition of the payload module couples the payload module to the network; calculating a plurality of remapping functions for the set of N payload module configurations; and minimizing an all-to-all transfer time in the network by selecting one of the plurality of remapping functions to

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minimize a latency function, wherein the latency function is a function of the switch configuration and the set of N payload module configurations in combination of other limitation recited in claim 26; the step of providing a set of N payload module configurations, wherein the set of N payload module configurations is characterized by sequential addition of a payload module into each of the plurality of payload slots, wherein the sequential addition of the payload module couples the payload module to the network; and reordering a sequence of adding the payload module into each of the payload slots such that a latency function is minimized, wherein the latency function is a function of the switch configuration and the set of N payload module configurations in combination of other limitation recited in claim 36.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AJIT G. PATEL whose telephone number is 571-272-3140. The examiner can normally be reached on MONDAY-THURSDAY.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AP

  
**Ajit Patel**  
**Primary Examiner**